BEST AVAILABLE COPY

Appendix B

(4 pages)

PAGE 6/21 * RCVD AT 9/6/2006 5:55:37 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/21 * DNIS:2738300 * CSID:5108142973 * DURATION (mm-ss):05-52

PAGE 7/21 * RCVD AT 9/6/2006 5:55:37 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/21 * DNIS:2738300 * CSID:5108142973 * DURATION (mm-ss):05-52

SEP. 6. 2006 2:55PM RMS Patent Department NO. 125 P. 7

InterPro **Protein matches**

Select:	Protein accession(s)	P00582
Refine:	Proteins with alternative splicing:	☐
	Proteins with known structure:	☐
	Taxonomy - NCBI tax ID(s):	
Display:	Detailed	
Sort:	Accession	
View		

Taxonomy Lineage

no rank: Root node of taxonomy 1
no rank:
cellular organisms 1

Protein	Match data
	DNA polymerase I (EC 2.7.7.7) (POL I)

- Table of Matches
- GO annotation
- View protein UniProt information

PAGE 8/21 * RCVD AT 9/6/2006 5:55:37 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/21 * DNIS:2738300 * CSID:5108142973 * DURATION (mm-ss):05-52

SEP. 6. 2006 2:56PM RMS Patent Department NO. 125 P. 8

	IPR001098	IPR001098	IPR001098	IPR002298	IPR002298	IPR002421	IPR002421	IPR002421	IPR002562	IPR002562	IPR003583	IPR008918	IPR
	PF00476	PS00447	SM00482	PR00868	TIGR00593	PF01367	PF02739	SM00475	PF01612	SM00474	SM00278	SM00279	SSF
	547-927 T	754-773 T	686-892 T	655-677 T 678-693 T 700-723 T 730-743 T 754-779 T 791-802 T 813-824 T 845-861 T 875-888 T	9-928 T	171-277 T	7-169 T	7-268 T	330-517 T	330-517 T	188-207 T	173-208 T	179

UniProt : P00582
Scale:10aa
DPO1_ECOLI

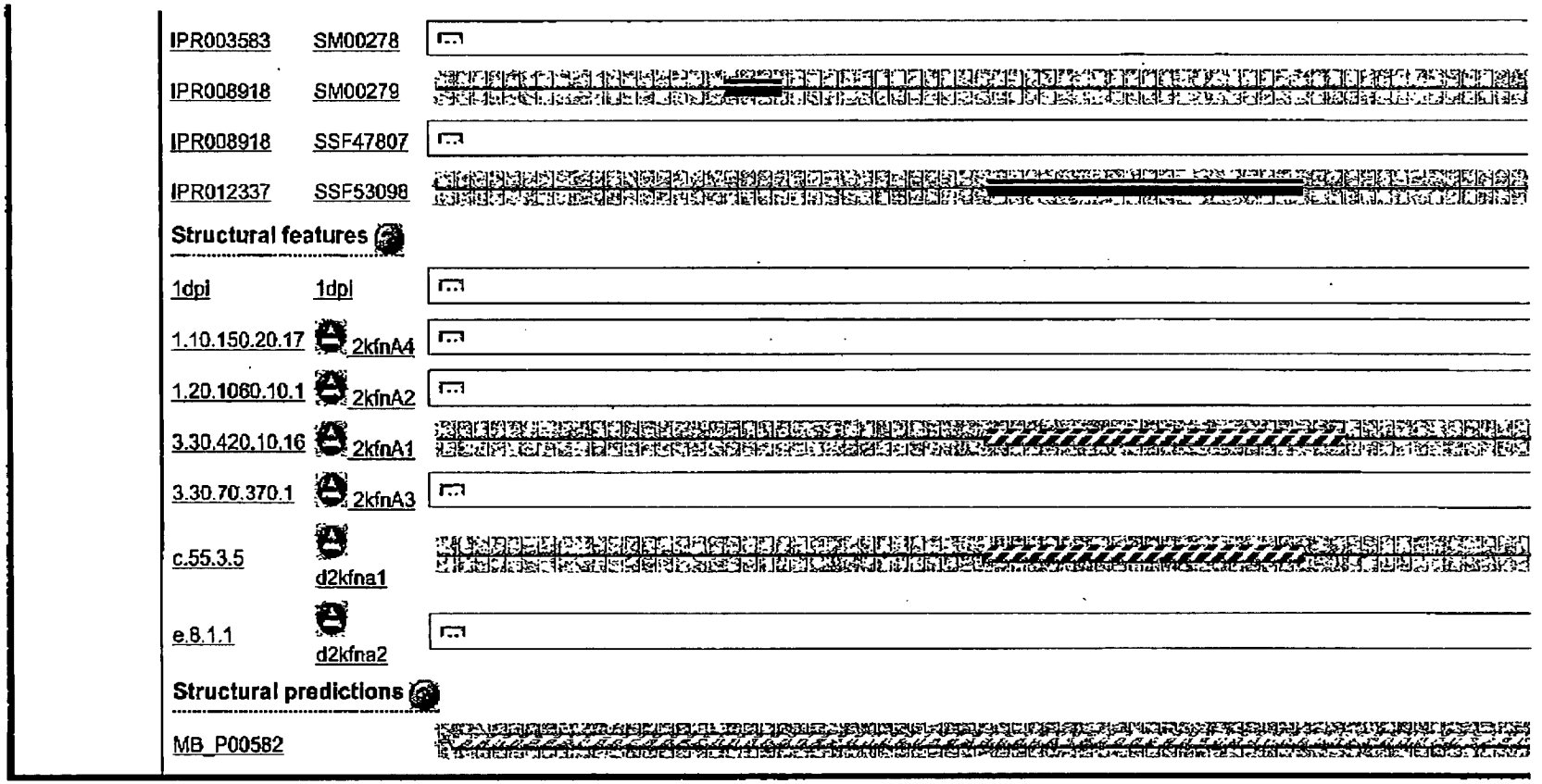
Structure
GO!
Escherichia coli

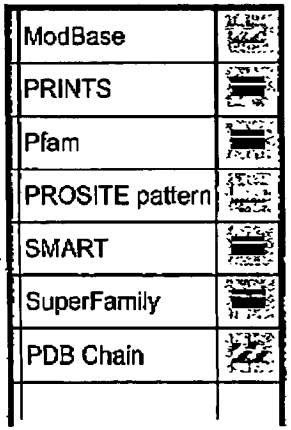
InterPro Signatures

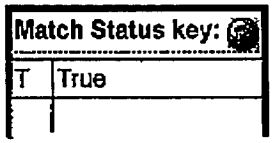
IPR001098	PF00476
IPR001098	PS00447
IPR001098	SM00482
IPR002298	PR00868
IPR002298	TIGR00593
IPR002421	PF01367
IPR002421	PF02739
IPR002421	SM00475
IPR002562	PF01612
IPR002562	SM00474

PAGE 9/21 * RCVD AT 9/6/2006 5:55:37 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/21 * DNIS:2738300 * CSID:5108142973 * DURATION (mm-ss):05-52

SEP. 6. 2006 2:56PM RMS Patent Department NO. 125 P. 9







CATH Domain	
TIGRFAMs	
SCOP Domain	

F	False
P	Partial
U	Unknown
N	False negative

IPR001098	DNA-directed DNA polymerase	
IPR002421	5'-3' exonuclease	
IPR002562	3'-5' exonuclease	

InterPro 12.1

Please contact EBI Support with any problems or suggestions regarding this site.

Terms of Use

[Stat]

PAGE 10/21 * RCVD AT 9/6/2006 5:55:37 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/21 * DNIS:2738300 * CSID:5108142973 * DURATION (mm-ss):05-52

SEP. 6. 2006 2:57PM RMS Patent Department NO. 125 P. 10

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☑ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.